

Authors' Response to Reviews of

Deep learning representation of the aerosol size distribution

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RC: Reviewers' Comment, AR: Authors' Response, ☐ Manuscript Text

RC: *Dear authors,*

Unfortunately, after checking your manuscript, it has come to our attention that it does not comply with our "Code and Data Policy".

AR: We appreciate the comments and have modified the data availability to comply with the journal policy as follows.

RC: *First, you have archived both the GEOS-ESM and the MAMnet code on GitHub. However, GitHub is not a suitable repository for scientific publication. GitHub itself instructs authors to use other long-term archival and publishing alternatives, such as Zenodo. Therefore, the current situation with your manuscript is irregular. Please, publish your code in one of the appropriate repositories and reply to this comment with the relevant information (link and a permanent identifier for it (e.g. DOI)) as soon as possible, as we can not accept manuscripts in Discussions that do not comply with our policy.*

AR: Thank you very much for bringing this up. The MAMnet code is now deposited at <https://zenodo.org/records/15190121>. As we placed the data used for training, evaluation and testing in a permanent repository as well, the GEOS code is not necessary to reproduce our results.

RC: *Also, in the Data Availability section of your manuscript you provide generic links to main web pages for the full datasets that provide access to the specific data that you have used in your work. We can not accept this. You must provide the exact data that you have used to develop your work. Importantly, in the case of the work that you present, the exact data used for the training of the neural network. This is critical to assure the replicability of your work, and therefore its scientific character.*

AR: Thanks for bringing this up. The data used for training, validation and testing can be found at <https://zenodo.org/records/15190121>.

RC: *Finally, please, remember that you must include a modified 'Code and Data Availability' section in a potentially reviewed manuscript, containing the DOI of the new repositories that you create to solve the issues pointed out here.*

AR: We have modified the section accordingly.